DOCUMENT RESUME

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ABSTRACT

A vocational educational program for a two-year college (Middlesex Community College) was developed, with the goal of providing individuals with the skills necessary to compete in the cable telecommunications marketplace. The need for such a program is discussed in an introductory section of this report, followed by a review of the goals of the program. A complete curriculum, with both required and elective course offerings leading to careers in three different areas, is included. The three career areas are: (1) programing and management for school or municipal CATV, (2) CATV electronic technicians, and (3) advertising and sales. The Associate in Science degree is awarded on completion of the required 68 semester hours of credit. (WDR)

R 000 804

ED 093317

CABLE CAREERS

cable telecommunications

a new program

at

middlesex community college
training hill road
middletown, connecticut 06457

VOCATIONAL EDUCATION PROGRAM

1974-1975

CABLE TELECOMMUNICATIONS

Revised Jan. 1, 1974

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
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VOCATIONAL EDUCATION PROGRAM 1974-1975

I. A. Title of Program:

Cable Telecommunications — Curriculum Code No code

B. Location of Program:

Middlesex Community College
100 Training Hill Road
Middletown, Conn. 06457

C. Proposed Beginning Date:

September, 1974

II. Program Initiator:

Ms. Virginia Pettiross
Director of Instructional
Services, Materials and Resources

III. Program Coordinator:

Ms. Virginia Pettiross
Director of Instructional
Services, Materials and Resources

IV. Appropriateness of the Program:

This program is considered to be appropriate for a two-year college with a goal of preparing individuals with the skills necessary to compete in the marketplace.

The personnel and physical plant resources of Middlesex Community College will be adequate. A survey of all franchised cable operators in Connecticut has demonstrated a requirement for individuals with this type of training. In addition, a study made by the Department of Commerce indicates that "conservative estimates" of CATV technical manpower needs will be between 35,000 to 62,000 new jobs from 1972 to 1977.*

Since the ruling by The Federal Communications Commission on March 31, 1972, cable franchise operators must provide a free public access channel, a free educational channel, and a free muncipal channel; the latter two categories will be in need of cable television technologists to administer their channels.

A new campus has been constructed in Middletown, Included in the new campus is a first-class media center with most of the equipment necessary in this proposal, except for the course, Fundamentals of CATV Electronics. Middlesex Community College has been operating a strong media center with production facilities in mushrooming demand by faculty and administration. The necessary experience has been gained in an experimental program with work-study students who have been trained in media in the Instructional Services, Materials, and Resources Center. From this experience, we know that this type of training will be successful.

TelePrompTer Corporation has strung cable in Middletown and four adjacent communities. Cable television is also under construction in various other Connecticut communities and will in the near future grid the state.

A long-term need for training in this field is certain. This is an emerging consumer service. Predictions are that an educational revolution will be linked to the advent of cable television.

The faculty at Middlesex Community College is oriented toward the use of media, a fact which contributes an atmosphere conducive to this kind of program.

The financial, personnel, and physical plant of Middlesex Community College will be suitable. The present media staff will conduct most of the program. A few courses will need part-time instructors. Some consultant services will be necessary.

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*U.S. Department of Commerce,
Office of Telecommunications,
Cable Television Industry's Manpower Requirement Survey,
November. 1972.

IV. Appropriateness of the Program:

This program is considered to be appropriate for a two-year college with a goal of preparing individuals with the skills necessary to compete in the marketplace.

V. The following will consist of an advisory board for this program. In this capacity, they will serve as consultants.

Mr. William Boyle
Director of Audiovisual Education
Administration Building
27 Hillside Place
New Britain, Conn. 06050

Mr. Arnold Eastman
Director of Television Studio
Conn. Valley Hospital
Middletown, Conn. 06457

Mr. Harold Kramer, Manager
Eastern Conn. Cable Television, Inc.
Groton, Conn. 06340

Mr. Arnold McFalls
Windsor Public Schools
P.O. Box 10
Windsor, Conn. 06095

Mr. Wiley Peckham
Science Department
Middlesex Community College
Middletown, Conn. 06457

Mr. Stanley Quinn
University of Conn.
Storrs, Conn. 06268

Dr. Stanton Rome
Instructional Media Services
Western Conn. State College
Danbury, Conn. 06810

Mr. Charles Smith
Director of AV Services for
Middletown Public Schools
Eckersley Hall School
61 Durant Terrace
Middletown, Conn. 06457

Mr. Douglas Wardwell
Director of Television Studio
Central Conn. State College
New Britain, Conn. 06050

Dr. Harold Wigren
Office of Telecommunications
National Education Association
Washington, D.C. 20036

Local CATV Franchise Manager

Dr. Robert A. Fischer, Jr.
29 Marshall Street
Old Greenwich, Conn. 06870

VI. The objective of the Cable Telecommunications Program is to train students in an open-end curriculum from which they have several options:

A) Go directly to a job.
B) Go to a job and continue training on a part-time basis.
C) Go on to another college for additional training.

It is expected that training will provide a basis for immediate employment and further advancement in the field of cable telecommunications. This proposal offers the student options within the program to further the student's specific area of interest. For instance, if a student is interested in the retailing or commercial aspects of CATV, emphasis of the program may be directed toward that end. If a student planned to enter the municipal CATV area, courses selected should be suitable for that goal. Students will be encouraged to investigate job offerings in various CATV enterprises and subsequently select electives suitable for the individual's goal.

A valuable and unique part of the program consists of fifteen hours per week of work-experience for four semesters and one summer. Students will receive training in the Instructional Services, Materials & Resources Center (ISMAR) of MxCC (or one summer as clarified below). Students will be divided into small groups. Each semester the students would be assigned to one of the following:

A) Operation and Maintenance of Supplementary CATV Equipment
B) CATV Techniques, Lighting and Production
C) CATV Graphics
D) Photography and Instructional Production
E) Audio and Video Production and Duplication Techniques

During this training period, the students—under the direction of media faculty—will serve the college.

At the end of the freshman year, students will have to begin to make selections geared to more specific career goals. The summer will present the first series of choices. Three basic areas are

	Category I	Category II	Category III
Career Area	Programming and Management, School or Municipal CATV	CATV Electronic Technicians	Advertising and Sales
Salary Range	$6 - 8,000 per year	$11,000 - 13,000 per year	$7 - 9,000 per year

If the student, for example, chooses Category I, she or he would be directed toward CATV 253 and English 280 or CATV 270 or a combination. If the student's direction was Category II, selection should be Technical Practice CATV 260, and placement would be with a cable franchise holder, not limited within Conn. If the goal of the student was Category III, the student and media faculty might work out a suitable program selecting from an elective, CATV Graphics, or CATV 270.

VI. cont'd.

In the student's final semester she/he will be required to assist a city or state agency, school, or commercial house with CATV needs. This will be a supervised training session, with the student receiving 3 credits for this period.

The director of this program has experimented in this direction with work-study students and is convinced that this type of training is essential in making theory valuable.

VII Cable Telecommunications

Associate in Science Degree

This curriculum is designed to prepare students for positions in the field of cable television. Students engaged in the program will participate in an on-the-job internship that is innovative. In addition to working in business or industry, students are placed in Middlesex Community College's own work-experience program under trained media faculty in the Instructional Services, Materials and Resources Center (ISMAR). Student under the supervision of faculty actually perform all of the functions necessary in operating a media center with strong cable television orientation. Students serve five internship periods of fifteen hours duration per week (240 hours per semester) for five semesters, two years and one summer school session.

The requirements for graduation from this program are the satisfactory completion of 68 semester hours of credit, as outlined in the program proposal.

Relationship of program to existing programs in the college:

Credit hours required:	In existing courses 30 or 33 In new courses 35 or 38
Contact hours required:	In existing courses 30 or 33 In new courses 95 or 110

CABLE TELECOMMUNICATIONS TECHNOLOGY PROGRAM [redacted]

FRESHMAN YEAR

First Semester

English 101	Composition	3
Engineering 101	Engineering Graphics	3
+CATV 101	Introduction to CATV I	3
**+CATV 103	Repairs and Maintenance	3
*+CATV PRACTICUM 250	Operation and Maintenance of Supplementary CATV Equipment (15 hrs.per week)	3
		15

\+ New Courses
* Practica may be taken in any order, per arrangement with coordinator of the program
** Instructor needed

Second Semester

+CATV 104	Fundamentals of CATV Electronics I *+	4
Math 105	Applied Math	3
Business 101	Business Management and Organization	3
or	or	
Business 102	Principles of Marketing	
CATV 102	CATV II	3
CATV PRACTICUM 252	CATV Techniques, Lighting and Production (15 hrs per week)	3
		16

*+To be offered if equipment money becomes available. If money for equipment unavailable, the following will be substituted:

English 107	Communications: Interpersonal Communication	3

Freshman Year Total Credits 31

SUMMER SESSION

[redacted]

Summer session begins a decision-making period. Student will be encouraged to begin a process of selectivity with a specific future vocational goal in mind. Alternatives for the summer program will be as follows:

I.	Elective *		3
	CATV PRACTICUM 253	CATV Graphics	3
			6
II.	English 280	Theatre Practicum	3
	CATV PRACTICUM 253	CATV Graphics	3
			6
III.	CATV T.P. 260	CATV Technical Practice	6
IV.	CATV T.P. 270	CATV Procedures and Internship	
		Full-time	6
		Part-time	3**

Summer Session Total Credits 6

* Refer to Occupational Alternatives
** May be combined with alternatives I or II

SOPHOMORE YEAR

First Semester

Art 104	Basic Design and Composition	3
+ CATV 105	Fundamentals of CATV Electronics II *+	4
* ELECTIVE	(From attached selected list)	3
Sociology 100	Introduction to Sociology Contemporary Social Problems	3
CATV PRACTICUM 255	Photography and Instructional Production (15 hrs. per week	3
		16

Second Semester

+ CATV F.P. 280	FIELD ASSIGNMENT: Assistantship in another school, public agency, or suitable occupational organization (minimum 8 hrs.per week in field plus 1 hr. in seminar)	3
* ELECTIVE	(From attached selected list) Occupational Alternatives	3
* ELECTIVE	(From attached selected list) Occupational Alternatives	3
CATV PRACTICUM 257	Audio and Video Production and Duplication Techniques (15 hrs. per week)	3
ELECTIVE	Select from approved list	3
		15

Sophomore Year Total Credits	31
Program Total Credits	68

* Refer to Occupational Alternatives

*+ To be offered if equipment money becomes available. If money for equipment unavailable, the following will be substituted:

English 281	Stage Lighting	3

FRESHMAN YEAR

First Semester

English 101 ENGLISH COMPOSITION 3 Credits

Theme writing with emphasis on thematic content, paragraphing, sentence construction, grammatical principles, diction, and logic. Reading of essays to stimulate thought and illustrate rhetorical principles. Prerequisite: Satisfactory performance on English Placement Examination or completion of English 99 (E), Developmental Composition, or permission of instructor.

Engineering 101 - 102 ENGINEERING GRAPHICS 3-3 Credits

The principles of graphics applied to design and communication, including sketching and creative thinking, shop processes, tools and terms; representation of threads fasteners and welds; dimensioning; design and communication drawings; introduction to computer-aided design, graphs and graphic computation; free-hand technical lettering; drawing equipment and use of instruments; theory of projection; multi-view representation; free-hand drafting; basic descriptive geometry; developments and intersections; pictorial drawing.

Cable telecommunications 101 INTRODUCTION TO
102 CABLE TELECOMMUNICATIONS 3-3 Credits

An introduction to the field of cable television which makes use of professional journals, periodicals, newspapers, and professional consultants. Topics covered depend upon current problems and available materials in the CATV field. Practical experiences are included.

Cable telecommunications 103 REPAIRS AND
MAINTENANCE 3 Credits

General preventative maintenance of all CATV and supplementary equipment to minimize breakdowns and restore operations in emergency situations. Field maintenance as well as trouble-shooting defective items.

CATV 250 PRACTICUM: OPERATION &
MAINTENANCE OF SUPPLEMENTARY
CATV EQUIPMENT 3 Credits

This practicum consists of 15 hours per week in the ISMAR Center. Students will learn to operate and maintain all types of equipment necessary in the preparation of cable programs. Students are expected to master the following equipment: 16 mm., 8 mm., Super 8 mm., overhead, carousel and filmstrip projectors, strip printers, copy cameras, etc. Students will assist faculty and students using equipment and will prepare programs for cable-casting.

FRESHMAN YEAR
Second Semester

CATV 104-105 FUNDAMENTALS OF CATV ELECTRONICS I 4-4 credits
Study of the operation and applications of CATV electronic devices. Devices to be covered include signal level meters, communications service monitors, line amplifiers, trunk stations, microcircuits, spectrum analyzers, oscilloscopes, sweep generators, pilot carrier generators, and other CATV test sets. 2 class hours, 2 laboratories of 3 hours each.

Mathematics 105 APPLIED MATHEMATICS I 3 credits
Topics in arithmetic, algebra, and coordinate geometry. Emphasis is on applying concepts to vocational subjects, such as marketing and computers, and to the sciences. Prerequisite: Two years of high school mathematics.

Business 101 BUSINESS MANAGEMENT AND ORGANIZATION 3 credits
Principles and techniques underlying the successful organization, management, and operation of business activities; the application of these principles to specific problems and to the management of individual departments.

OR

Business 102 PRINCIPLES OF MARKETING 3 credits
Methods and principles used in marketing consumer and industrial goods. Retailing, wholesaling, sales management, market research, and advertising are considered.

CATV 102 INTRODUCTION TO CATV II 3 credits
A continuation to CATV 101 which makes use of professional journals, periodicals, newspapers, and professional consultants. Topics covered depend upon current problems and available materials in the CATV field. Practical experiences are included.

PRACTICUM 252 CATV TECHNIQUES, LIGHTING AND PRODUCTION (15 hours/week)
This practicum will emphasize television techniques including the operation of equipment, both studio and remote. Local origination programs will be part of the requirement. Head ends, line construction and microwave will be introduced. Students will be expected to participate in the preparation and presentation of local news programs and instructional CATV courses. Lighting techniques will be studied. 15 hours/week in ISMAR Center.

English 197 COMMUNICATIONS: INTERPERSONAL COMMUNICATION 3 credits *
A survey course in the nature and process of communication, with an analysis of the skills and attitudes essential to effective participation in typical communication situations. Participation in activities such as group discussions, oral readings, simulations, and formal communication.

* Offering if CATV Electronics equipment cannot be funded.

SAMPLE TOPICS FOR INTRODUCTION TO CATV CATV 101-102

History of the Industry
Functions of CATV
Technical View of CATV
Federal Regulations - Federal Communications Commission
State Regulations - Public Utility Commission
Local Requirements
Local Origination
Line Work
Pole Climbing
Hardware Framing
Insurance Problems and Safety
Current Problems of the Industry
Subscriber Problems
Advertising Problems
Public Relations
Political Problems
Relationship of Industry to Education, Municipalities, and the Public
Public Access Channels
Municipal Uses of CATV
Educational Uses of CATV

SAMPLE TOPICS FOR FUNDAMENTALS OF CATV ELECTRONICS CATV 104-105

Specifications-Reading, Writing and Comparisons
Libel, Slander and Copyrights
Equipment Evaluations
Operations - Programming Problems
Allocation of Resources
VHF Circuits
- Broadbanding
- Video
- Superheterodyne

T.V. Signals
- Spectrum Utilization
- TV Channel Frequency Characteristics
- Signal Combination & Separation
- Intermodulation & Interference

Cable Systems
- Head End Signal Processing
- Cable Impedance & Attenuation
- Trunk Lines
- Distribution Lines
- Microwave Distribution
- Customer Connections
- Set Converters

Cable Splicing
- Trunk & Distribution Lines
- House Cables

Trouble shooting: trunk and distribution lines, and customer service

Elective 3 credits

CATV PRAC. 253 PRACTICUM: CATV GRAPHICS 3 credits
Fifteen hours per week in the ISMAR Center. Laboratory practice in the production of all types of visuals necessary for CATV programs, including basic lettering, diagrams, maps, charts, posters, graphs, slides and the use of color to enhance same. Students will be expected to participate in preparation of CATV programs.

English 280 THEATER PRACTICUM 3 credits
A broad introduction to the technical and managerial areas of the professional theater. Students may elect either of the two areas, but not both. One session a week will include all students in the program. All work at the Goodspeed Opera House. Summer only.

CATV T.P. 260 TECHNICAL PRACTICE 6 credits
This technical practice gives students an opportunity to spend a summer in the employment of a cable franchise operator working in an on-the-job capacity. In addition to job opportunities locally, students are exposed to job opportunities in cable firms in other areas of the country. Credit for job experience established through consultation and cooperation of employing agency and Media Center faculty.

CATV T.P. 270 CATV PROCEDURES AND INTERNSHIP* 6 credits full-tim
3 credits part-tim
CATV students are placed in positions suitable for their occupational direction for a summer of work-experience under the supervision of CATV personnel, television, or other approved goal-related agencies. Credit for job experience determined through consultation and cooperation of employing agency and Media Center faculty.

* Choice of <u>one</u> only.

The maximum credit hours for the summer session is 6. Combinations must be selected with approval of the ISMAR faculty.

SOPHOMORE YEAR
First Semester

Art 104 BASIC DESIGN AND COMPOSITION I 3 credits
Provides background in the fundamentals of art through the understanding and application of basic elements of two-dimensional design and principles of composition.

CATV 105 FUNDAMENTALS OF CATV ELECTRONICS II 4 credits
Prerequisite: Fundamentals of CATV Electronics I
Continuation of CATV 104. Transistor circuits, AGC circuits and intergrated circuits will be explored.

Elective Refer to Occupational Alternatives 3 credits

Sociology 100 INTRODUCTION TO SOCIOLOGY:
CONTEMPORARY SOCIAL PROBLEMS 3 credits
A systematic analysis of some contemporary social problems, such as mental disease, alcoholism, crime, and racial and ethnic conflicts, with emphasis on their origins. Particular attention to defining and proposing solutions to these problems.

CATV 255 PRACTICUM: PHOTOGRAPHY AND INSTRUCTIONAL
PRODUCTION 3 credits
Fifteen hours per week will be served in the ISMAR Center in the production of slides, 16 mm. films, 8 mm. films, stills, 35 mm. duplication, CATV camera operation and mobile TV camera use. It is expected that students will participate in the production of CATV camera operation and mobile TV camera use. It is expected that students will participate in the production of CATV programming including necessary scripts. Film procurement and film evaluation included.

SOPHOMORE YEAR
Second Semester

CATV F.P. 280 FIELD WORK
Students are expected to spend a minimum of 8 hours per week serving as an assistant or advisor in another school, public agency, or CATV broadcast station, gaining experience useful in the field of cable television. Some experience as a consultant in a news operation for selected students. One hour per week in seminar on employment techniques, problems, and resumes.

Elective	From attached selected list (Refer to Occupational Alternatives)	3 credits
Elective	From attached selected list (Refer to Occupational Alternatives)	3 credits
CATV 257	PRACTICUM: AUDIO AND VIDEO PRODUCTION AND DUPLICATION TECHNIQUES	3 credits

Fifteen hours per week in the ISMAR Center learning the basic aspects of technical and production techniques of audio systems. The course covers microphones, speakers, amplifiers, recording, playback, and duplicating equipment, as well as classroom and studio tape recording gear, cassette and reel-to-reel with and without synchronizing pulses, scripts, dramatics, remote techniques are included.

ELECTIVE	Select from approved list	3 credits

OCCUPATIONAL ALTERNATIVES

1. Local Origination

Eng. 107	Communications: Interpersonal Communication	3

and two of the following:

Art 108	Drawing	3
Typing 101	Beginning Typing I	3
Eng. 281	Stage Lighting	3
Eng. 282	Scenery Const. & Technical Production	3
Bus. 102	Principles of Marketing	3
D.P. 101	Introduction to Data Processing	3

2. CATV Technical

Eng. 107	Communications: Interpersonal Communication	3

and two courses from selected list of electives

3. CATV Marketing

three of the following:

Bus. 102	Principles of Marketing	3
Bus. 104	Retailing	3
Bus. 106	Principles and Techniques of Selling	3
Eng. 108	Communications: Argumentation & Persuasion	3

4. CATV Management

three of the following

Acct. 101-102	Principles of Accounting	3-3
Acct. 211	Federal Taxes	3
Bus. 101	Business Management and Organization	3
D.P. 101	Introduction to Data Processing	3
Econ. 102	Introduction to Economics II (Micro-Economics)	3
Eng. 107	Communications: Interpersonal Communication	3

5. CATV in the Municipality

Eng. 107	Communications: Interpersonal Communication	3
Pol. Sci. 204	State and Local Government	3
Socio. 208	Minority Groups in American Society	3

6. Educational CATV Assistant

three of the following:

D.P. 101	Introduction to Data Processing	3
Philo. 201	Ethics	3
Pol. Sci. 204	State and Local Government	3
Psych. 100	Selected Issues	3
Socio. 208	Minority Groups in American Society	3

SELECTED ELECTIVE LIST

COURSE	TITLE	CREDITS
Accounting 101	Principles of Accounting	3
Accounting 211	Federal Taxes	3
Art 108	Drawing	3
Business 101	Business Management & Organization	3
Business 102	Principles of Marketing	3
Business 104	Retailing	3
Business 106	Principles & Techniques of Selling	3
Business 201	Business Finance	3
Data Processing 101	Introduction to Data Processing	3
Economics 101	Introduction to Economics	3
English 107	Communications: Interpersonal Communication	3
English 108	Communications: Argumentation & Persuasion	3
English 223	Journalism I	3
History 221	U.S. in 20th Century	3
Philosophy 201	Ethics	3
Political Science 204	State & Local Government	3
Psychology 100	Introduction to Psychology	3
Sociology 208	Minority Groups in American Society	3
Typing 101	Beginning Typewriting	3

Electives chosen must be approved by media faculty.

Students will be encouraged to select voluntary courses from the above list in cases where student's progress warrants same.

SELECTED LIST OF ELECTIVES APPROVED FOR OCCUPATIONAL ALTERNATIVES

FOR CABLE TELECOMMUNICATIONS

Accounting 101-102 PRINCIPLES OF ACCOUNTING 3-3 credits
An introduction to accounting theory applicable to single proprietorships, partnerships, and corporations. The successive steps in the accounting cycle. Special journals and ledgers. Working papers. Adjusting and closing the books. Preparation of statements. Inventories, controlling accounts, columnar journals. The voucher system. Stocks, bonds, sinking fund reserves. Manufacturing accounts. Departmental operations. Analysis of statements.

Accounting 211 * FEDERAL TAXES 3 credits
Discussions of the theories relative to preparation of individual and partnership tax returns. Gross income inclusions and exclusions are considered, together with allowable deductions for expenses, interest, taxes, contributions, medical expenses, depreciation, losses, bad debts, etc. The basis and determination of gain or loss, capital gains, and losses of individuals are considered. Methods of accounting, social security taxes, pay-as-you-go withholding, assessments, and refunds are also covered.

Art 108 DRAWING I
A study of form through gesture and contour line, with emphasis on composition. Some use of light and shade included. Conte crayon, charcoal, and ink uses with the study of still life and controlled subject matter.

Business 101 BUSINESS MANAGEMENT AND ORGANIZATION 3 credits
Principles and techniques underlying the successful organization, management, and operation of business activities; the application of these principles to specific problems and to the management of individual departments.

Business 102 PRINCIPLES OF MARKETING 3 credits
Methods and principles used in marketing consumer and industrial goods. Retailing, wholesaling, sales management, market research, and adver-

Business 201 BUSINESS FINANCE 3 credits
This course introduces financial instruments and institutions from the viewpoint of the financial management of the firm, with special emphasis on the corporate structure and methods of financing it. Tools of financial analysis and planning, as well as principles of short-term and long-term financing, are developed as they relate to profitability and liquidity. Prerequisites: Accounting 101-102

Business 104 RETAILING 3 credits
A course to provide the student with an understanding of the retail sector of our economy and the role which it plays in the overall marketing process. The course deals with the changing nature of retailing and the factors responsible for change. The course also covers the organization and operation of various types or retail institutions.

Business 106 + PRINCIPLES AND TECHNIQUES OF SELLING 3 credits

Markup, terms, and datings, the psychology of buying motives, the prospecting approach, meeting objections, and closing. Industrial selling methods versus selling for personal consumption. Practice sales demonstrations for tangibles and intangibles.

Data Processing 101 INTRODUCTION TO DATA PROCESSING 3 credits

This course is recommended for people entering data processing as a vocation and those interested in the concepts only. It is an introductory course in data processing with emphasis on essential principles, functions, and the fundamental ideas of computing. Included are the principles related to both punched-card and electronic equipment. General concepts of flow charting and computer programming are developed.

Economics 101 INTRODUCTION TO ECONOMICS I 3 credits

Macroeconomics. An elementary study of the functioning of the economic system. Topics include output and income, employment, consumption, fluctuations in the economy, and fiscal and monetary policy.

English 107 COMMUNICATIONS: INTERPERSONAL COMMUNICATION 3 credits

A survey course in the nature and process of communication, with an analysis of the skills and attitudes essential to effective participation in typical communication situations. Participation in activities such as group discussions, oral readings, simulations, and formal communication.

English 108 COMMUNICATIONS: ARGUMENTATION AND PERSUASION 3 credits

Development and integration of skills of persuasion based on an understanding of logical, emotional and ethical appeals. Emphasis on language, fallacies of reasoning, systems of logic, and practical problem-solving situations.

English 223, 224 JOURNALISM 3 credits

A course designed to train students in the writing of news and opinion, along with a survey of the problems and responsibilities of journalism. Subject matter includes the nature of both print and electronic media; the nature of the journalist; problems of newsgathering (accuracy, authority, inviolability of copyright, avoidance of libel and slander): organization and writing of the news story; editorial, review, and feature. Prerequisite: English 101 or permission of instructor.

History 221 UNITED STATES IN THE TWENTIETH CENTURY 3 credits

The major political, social, economic, and cultural developments since the Spanish-American War and the enlarging role of the United States in world affairs.

Philosophy 201 ETHICS 3 credits

The fundamental problems of critical ethics (including an analysis of the nature of good and evil, right and justice, moral freedom and responsibility) developed in the context of the practical, moral issue facing the individual in contemporary society. This analysis is supplemented by relevant classical and contemporary philosophical thought.

Political Science 204 STATE AND LOCAL GOVERNMENT 3 credits

An introduction to local government throughout the United States. The actual workings of democracy and its machinery will be examined, with emphasis on the State of Connecticut and the Middlesex County area. Prerequisite: Political Science 101 or consent of instructor.

Psychology 100 SELECTED ISSUES 3 credits

An examination of selected contemporary issues in psychology, as for example, personality, motivation, learning and drugs. This course is recommended for students who do not intend to major in the behavioral sciences in a baccalaureate program.)

Sociology 208 MINORITY GROUPS IN AMERICAN SOCIETY 3 credits

A descriptive and analytical study of racial, ethnic, and cultural minority groups in contemporary United States, with special attention to the persistent social and economic problems of these groups. Prerequisite: Sociology 100 or 101.

Typing 101 BEGINNING TYPEWRITING 3 credits

This is an introductory course for students with no previous training in typing. Emphasis is on accuracy and the development of a high degree of proficiency for use in the business world. Students have an opportunity to use both manual and electric typewriters.

VIII. Admission Requirements

Applicants should be graduates of an approved secondary school or hold a High School Equivalency Certificate and demonstrate the capacity to do college-level work. In addition, applicants will be interviewed by members of the Instructional Technology staff to determine aptitude and interest in cable television and must be approved by the CATV faculty.

Veterans with suitable service-connected experience will be encouraged to enter the program. Examinations will be conducted by media faculty to determine skills. Students who have mastered necessary abilities will not have to repeat courses in those areas, but may receive credit by examination.